

ROZENGART, M.I.; POLKOVNIKOV, B.D.; POLININ, V.L.; TABER, A.M.; GITIS, K.M.

Aromatizing capacity of boride catalysts of platinum group metals.
Izv. AN SSSR. Ser. khim. no.5:919-922 '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

MORTIKOV, Ye.S.; ROZENGART, M.I.

Composition of an equilibrium mixture of n-heptenes at 450°.
Izv. AN SSSR. Ser. khim. no.6:1016-1021 '65.

(MIRA 18:6)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

ROZENFEL'D, M.

All the best goes to the children. Rabetnitsa 35 no.5:13 My '57.
(Rumania--Children) (MLRA 10:6)

ROZENFEL'D, M.; FEIGIN, Ya.

The economy of the Latvian S.S.R. ("The Latvian S.S.R. Outline of
economic geography." Reviewed by M.Rozenfel'd, IA.Feigin). Vop.ekon.
no.7:145-149 J1 '56. (MIRA 9:9)
(Latvia--Economic conditions)

ROZENFEL'D, M.Ya., arkhitektor

Apply industrial aesthetics to all cement plants. TSement 31
no.5:3-4 S-0 '65. (MIRA 18:10)

1. Gosudarstvennyy vsesoyuznyy institut po proyektirovaniyu i
nauchno-issledovatel'skim rabotam tsementnoy promyshlennosti,
Leningrad.

15(6), 30(1)

SOV/101-59-4-6/10

AUTHORS: Rozenfel'd, M.Ya., and Tavlinova, G.K.

TITLE: Verdure Around Cement Plants

PERIODICAL: Tsement, 1959, Nr 4, pp 19-25 (USSR)

ABSTRACT: The authors point out that cement plants, by their nature, are dust-spreading centers. In spite of filters provided for catching dust, part of the dust escapes into the open air, obscuring and polluting the air. The authors say that plants are one means of protection against dust. The dust particles, conveyed by air, will settle on the trunks, branches and leaves and subsequently will be washed down by the rain. Giprotsement has studied methods of sanitation of the air surrounding cement plants by technical means and plantations. Diagram 1 (Figure 1) shows a plantation scheme between the cement plant and a settlement. Diagram 2 (Figure 2) represents a planted strip 12 m wide. Diagram 3 (Figure 3) shows a recreation park at the

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Verdure Around Cement Plants

Kuybyshevskiy kombinat stroitel'nykh materialov (Kuybyshev Combine of Building Materials). Diagrams 4a and 4b show plantations at the Chernorechenskiy tsementnyy zavod (Chernorechenskiy Cement Plant). Concluding, the authors quote a list of trees and shrubs suitable for various regions of the USSR. For one cement plant the average requirement will be: 500 to 600 trees, 2,500 to 3,000 shrubs, 4,000 perennial flowers, and 5,000 annual flowers. There are 5 diagrams.

Card 2/2

ROZENFEL'D, M.Ya.

New standards for the time required to design cement plants.

TSement 28 no.1:3 of cover Ja-F '62.

(MIRA 16:5)

(Cement plants)

ROZENFELD, M.Ye.; TAL'YANKER, M.Ya.; LEBED', N.V.

~~_____~~
Designing a semiautomatic vertical milling machine based on a
boring machine unit, Mashinostroitel' no.5:17-18 My '57.
(Milling machines) (MLBA 10:6)

ACCESSION NR: AP4016499

S/0020/64/154/005/1050/1051

AUTHOR: Rozenfel'd, M. Z.

TITLE: On completely standard programs

SOURCE: AN SSSR. Doklady*, v. 154, no. 5, 1964, 1050-1051

TOPIC TAGS: computer programming, program library, cybernetics, computation, numerical integration, control theory

ABSTRACT: The author suggests that a library program be called completely standard if it can be used as a subprogram of itself. Such a program is needed in computing an iterated integral, or an expression of the form $\int_0^x \int_0^t \dots \int_0^s f(t, s, \dots, x) dt ds \dots dx$, when only a standard program for simple integration is available in the library (and only one copy of it is going to be stored in the computer memory.) As another example, only one copy of a completely standard program for the solution of ordinary differential equations will enable one to solve a differential equation of which the right side is itself a solution of another differential equation. The principle of such a program is explained in connection with the integration example. Let I be a

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ACCESSION NR: AP4016499

standard library program for evaluating a simple integral and F the program for evaluating the integrand, which itself involves a simple integration. The difficulty is that after I has been initiated and F begun, I is reentered for the computation of the inner integral, so that normally the variable instructions and constants used by I for the outer integral would be destroyed. Hence provision must be made for storing such information. In particular, before reentering I, the program must store in a specified memory location the contents of that memory cell which is used during I to store the exit instruction to which control is to be transferred when I is completed. What makes such a procedure possible is the fact that I is allowed to run to completion when used within F. Included is a copy of integration program B-9, part of standard library B-61 ITEF, which uses a 3 or 5-point Gauss formula, with equal steps. The programmer may specify the number of steps or the accuracy (relative or absolute). Precise coding instructions are also given on how to initiate the program. Orig. art. has: 1 table and 4 formulas.

Associations: Institut teoreticheskoy i eksperimental'noy fiziki gosudarstvennogo komiteta po ispol'zoviyu atomnoy energii (Institute of Theoretical and Experimental Physics of the State Committee on Utilization of Atomic Energy.)

Cord

ROZENFEL'D, M.Z.

Perfectly standardized programs. Dokl. AN SSSR 154 no.5:1050-1051 F'64. (MIRA 17:2)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii. Predstavleno akademikom M.V. Keldyshem.

ROZENFELD, V. I.
ACCESSION NR: AT4014067

S/3072/63/000/000/0124/0135

AUTHOR: Rodionova, G. A.; Finkel'shteyn, Ya. S.; Veyler, S. Ya.; Gurovich, Ye. I.;
Novikov, V. T.; Rozenfel'd, N. B.; El'bert, S. M.; Brazilovskiy, V. I.

TITLE: Investigation of technological lubricants based on salt mixtures for hot rolling of
pipe

SOURCE: Fiz.-khim. zakonomernosti deystviya smazok pri obrabotke metallov davleniyem.
Moscow, Izd-vo AN SSSR, 1963, 124-135

TOPIC TAGS: lubricant, salt mixture, hot rolling, steel pipe, pipe rolling

ABSTRACT: In the hot rolling of pipe on continuous rolling mills with long frames, the
lubrication conditions are unusually difficult. Special lubrication is required to provide
for the proper processing conditions, especially temperatures, to obtain rolled products
and pipe of satisfactory quality. Of the six tested salt-lubricants containing various amounts
of K, Li, Mg or Na oxides or chlorides, the best for the hot rolling of pipe in continuous

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ACCESSION NR: AT4014067

rolling mills proved to be a lubricant containing 40% $ZnCl_2$, 30% KCl, 30% NaCl, and 10% MgO , plus 45% water (compared to the weight of salts and oxides). The pipe rolling process using 1Kh18N9T steel and high-carbon steel proved satisfactory with this lubricant. The top loadings in the continuous rolling mills were increased by 4.5% as compared with the graphite-mazut lubricant. Pipe rolled with the above-mentioned lubricant showed no intercrystalline corrosion. The etching time of pipe obtained by this process was half that of pipe rolled with the use of graphite-mazut lubricant. The effect of the concentration of MgO , used as a filling component in the lubricant, on its melting point and crystallization was also determined, as well as the effect of the amount of solvent on the consistency of the lubricant and its ability to protect the metal surface. Orig. art. has: 6 figures and 3 tables.

ASSOCIATION: none

SUMMITTED: 00

DATE ACQ: 19Dec63

ENCL: 00

SUB CODE: MM, IE

NO REF SOV: 003

OTHER: 000

Cord 2/2

ROZENFELD, H.E., 1946.

Manufacturing thin-walled pipe on a continuous furnace welding
mill. Steel 24 no. 3-334 1 164. (MIRA 17:10)

1. Uralskiy nauchno-issledovatel'skiy tsentr.

ROZENFELD, N.B.

PHASE I BOOK EXPLOITATION

SOV/3531

Goncharenko, Vera Aleksandrovna, and Naum Benediktovich Rozenfel'd

Peredovoy opyt prokatki trub na ustanovkakh s avtomaticheskim stanom (Advanced Technique in Tube Manufacture on Units With Plug-Rolling Mill) Moscow, Metallurgizdat, 1959. 118 p. 1,500 copies printed.

Ed.: I. G. Astakhov; Ed. of Publishing House: A.G. Golyatkina; Tech. Ed.: M.R. Kleynman.

PURPOSE: This booklet is intended for workers and foremen at tube-manufacturing plants.

COVERAGE: The authors present a generalization of the advanced work methods used by the Zakavkazskiy Metallurgicheskiy zavod (Transcaucasian Metallurgical Plant) in the manufacture of tubes on plug-rolling mills, and also a generalization of works of the interplant school on the exchange of experience acquired at various plants. Engineers Ye.A. Kupershteyn and L.S. Oslamenko are mentioned as having contributed to the development of rolling processes. The authors thank P.A. Tseretelli,

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Advanced Technique in Tube Manufacture (Cont.) SOV/3531

P.P. Bulgakov, A.Sh. Vashakidze, I.A. Utin, G.I. Chuchua, I.G. Mindlin, Sh.P. Sakvarelidze, and I.M. Kravchenko for their assistance in preparing the book. There are 14 references, all Soviet.

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VK/mg
7/7/60

SHUBIK, M.A., inzh.; FRIKKE, S.A., inzh.; ROZENFEL'D, N.B., inzh.; MOTRIY, D.Ya., inzh.; MATVEYEV, Yu.M., doktor tekhn.nauk

Producing tubes of economical section on pilger mills. Stal' 23 no.4:
346-348 Ap '63. (MIRA 16:4)

Ural'skiy nauchno-issledovatel'skiy trubnyy institut i Chelyabinskiy
truboprokatnyy zavod.

(Pipe mills)

OSTRENKO, V.Y., kand.tekhn.nauk; BOBRAKOV, L.D., inzh.; Prinimali uchastiye:
ROZENFEL'D, N.B.; OSLAMENKO, L.S.; TSERETELI, P.A.; MINDLIN, I.D.;
KUPERSHTEYN, Ye.A., TOPAL, V.A.

Organizing the rolling of large-diameter thin-walled pipes on the
heavy-duty automatic unit at the Zakavkazskiy Metallurgical Plant.
Biul.nauch.-tekh.inform.VNITI no.4/5:17-23 '58. (MIRA 15:1)
(Tiflis--Pipe mills)

PHASE I BOOK EXPLOITATION

SOV/4361

Rosenfel'd, Naum Benediktovich, and Pavel Abramovich Nabatov (Deceased)

Otdelka i narezka trub; uchebnik dlya podgotovki kvalifitsirovannykh rabochikh na proizvodstvo (Tube Finishing and Threading; Textbook for Training Qualified Workers in Industry) Moscow, Metallurgizdat, 1960. 234 p. 2,650 copies printed.

Ed.: N.V. Manakin; Ed. of Publishing House: A.L. Ozeretskaya; Tech. Ed.: Ye.B. Vaynshteyn.

PURPOSE: This book is intended for the training of workers in industrial plants.

COVERAGE: The authors describe in detail the process of threading and trimming pipe of all types. They briefly describe the equipment used and its technical characteristics. Great attention is given to the techniques used in the work and to the proper selection and setting up of tools. Methods for calculating the productive capacity of various units and for setting production standards based on engineering data are presented. Advanced working methods and techniques are also discussed. Concise information on methods of pipe manufacture and on types of pipe threads is provided. No personalities are mentioned. There are 7 references, all Soviet.

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VK/wbc/sfm
12/9/60

ROZENFEL'D, Naum Benediktovich; NABATOV, Pavel Abramovich [deceased];
MANAKIN, N.V., red.; OZERETSKAYA, A.L., red.izd-va; VAYNSHTEYN,
Ye.B., tekhn.red.

[Finishing and cutting pipes; manual for operational training
of qualified workers] Otdelka i narezka trub; uchebnik dlia
podgotovki kvalifitsirovannykh rabochikh na proizvodstve.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi
metallurgii, 1960. 234 p. (MIRA 13:6)
(Pipe cutting)

ROZENFEL'D, N.B.

133-7-13/28

AUTHOR: Grishkan, A.S., Krichevskiy, M.Ya., Seyfulin, G.K. and Rozenfel'd, N.B., Engineers.

TITLE: Mastering of 140, 250 and 400 mm Tube Rolling Mills of Soviet Design. (Osvoyeniye sovetskikh truboprokatnykh agregatov 140, 250 and 400)

PERIODICAL: Stal', 1957, no.7, pp. 621 - 627 (USSR)

ABSTRACT: In 1947-54, aggregates 140, 250 and 400 with an automatic mill for rolling tubes from 38 - 426 mm diameter of Soviet design were manufactured and erected on the Zakavkaz Metallurgical Works (Zakavkazskiy Metallurgicheskiy Zavod) (140 and 400) and on the Bakinsk Tube Rolling Works (Bakinskiy Truboprokatnyy Zavod) (140 and 250). Tube rolling aggregate 400 for the manufacture of tubes of a diameter from 130 to 426 mm, a length up to 15.5 m and wall-thickness from 5 to 40 mm, from round semis of carbon or alloy steels of up to 350 mm in diameter and the length of 4 m (2.5t) consists of: 2 ring heating furnaces with a rotating bottom, two piercing mills, preheating furnace in front of the automatic mill, automatic mill, two rolling mills, seven stand mills for hot calibration of tubes, two straightening mills, three stand mill for cold calibration of tubes, coolers and inspection tables. Aggregate 140 was designed for rolling tubes of a diameter from 38 to 140 mm, 11.5 m

133-7-13/28

Mastering of 140, 250 and 400 mm Tube Rolling Mills of Soviet Design.

long and a wall thickness from 3.5 to 20 mm (after reducing mill tubes 15.5 m long can be made). It consists of; one ring furnace, piercing mill, automatic mill, two rolling mills, 5 stand mill for hot calibration of tubes, pre-heating furnace in front of the reduction mill, 20 stand reduction mill, coolers, straightening mills and an inspection table. Aggregate 250

differs in the composition of equipment from aggregate 140 only in the absence of the reducing mill and its reheating furnace. The calibration mill consists of 7 stands. On the basis of operating experience and results of investigations carried out by TsKBMM, VNITI and the works personnel the following conclusions are made: the main advantages of the new Soviet mills in comparison with imported ones are: a) an increase in the maximum rolling rates by 75% in piercing mills, by 50% in automatic mills if compared with corresponding modern imported mills 5 1/2" Etna Standard and 13 3/8" Shleman (Table 1); b) the use of pivot journals for all rolls (except in automatic mill 400) and special installations on piercing and rolling mills for exact centering along the axis of rolling of tube; c) the use in auxiliary mechanisms of electric drives instead of pneumatic ones which facilitates automation of rolling and

Card2/3 contributes to an increase in the rolling speed. The comparison

ROZENFEL'D, N.

Mastering the production of economical types of welded pipe.
Metallurg 8 no.10:26-28 0 '63. (MIRA 16:12)

1. Glavnyy inzh. Ural'skogo nauchno-issledovatel'skogo trubnogo
instituta.

ROZENFEL'D, N. L. i AKIMOV, G. V.

26400 K goprosu o mekhanizme zashchity zheleza ot korrozii v vode khromatami. Vliyaniye dovavok $K_2Sg_2O_7$ k vode na skorost' zlektrodneykh protsessov. Doklady akad. Nauk SSSR, novaya seriya, T. LXVII, No. 5, 1949, s. 879-82.

SO: LETOPIS' NO. 35, 1949

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
aa The physiology of bile production. II. U. A. Rosenfel'd. <i>J. Physiol. U. S. S. R.</i> 30, 758-61(1941).—See C. A. 37, 1171⁴ where the pages were incorrectly given 723-7. E. I. C.																			
ASB. S. L. A. METALLURGICAL LITERATURE CLASSIFICATION										12001 200109									
12001 200109										12001 200109									

FISHER, E.F., kand. med. nauk (Tomsk, ul. Gagarina, 31, kv.3);
ROZHENEL'D, N. Ya.; FOKROVSKIY, B.N.

Surgical treatment of valvular spontaneous pneumothorax. Vest.
khir. 92 no.4:25-28 Ap '64 (MIRA 18:1)

1. Iz legonno-khirurgicheskogo otdeleniya Tomskogo oblast-
nogo protivotuberkuleznogo dispansera (glavnyy vrach -
zasluzhennyy vrach RSFSR A.I. Titov.).

ROZENFEL'D, P.M.

An article by G.M. Borun and Z.S. Lutset. Vod.i san.tekh.
no.8:32 Ag '57. (MIRA 10:11)

(Water-supply engineering)

ROZENFEL'D, P.M.

Insulating air conduits used in pneumatic conveying units. Der.
prom. 7 no. 7:24-26 JI '58. (MIRA 11:8)

1. Proyeektnaya kontora Uglemetallurgstroya Tul'skogo sovnarkhoza.
(Pneumatic machinery)

ROZENFEL'D, F. M.

Chamagne (Wine)

Some problems of the theory of champagnization. Vin. SSSR 12 no. 1 (1952)

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED

ROZENFELD, P. Ye.

Cand. Med. Sci.

Dissertation: "Concerning the Problem of Toxicosis in the Case of
Epidemic Typhus."

16/5/50

Central Inst. for Advancement of Physicians

SO Vecheryaya Moskva
Sum 71

ROZENFEL'D, P.M., inzhener.

Some problems of heat supply in enterprises manufacturing reinforced concrete products. Stroi. prom. 34 no.8:20-22 Ag '56.

(MLRA 9:10)

(Heat engineering) (Reinforced concrete)

Rozentfeld, P.M.
ROZENFEL'D, P.M., inzh.

Designing boiler installations for construction industry enterprises.
Stroi.prom. 35 no.11:38-41 N '57. (MIRA 10:12)
(Boilers)

1. ROZENFEL'D, F. M., ENG.
2. USSR (600)
4. Sanitary Engineering
7. Experience in the installation of sanitary technical equipment. Biul. stroi. tekhn. 9 no. 19, '52.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

ROZENFELD, P. M.

Rozenfel'd, P. M. "Arrangements for application of cold in primary viniculture," Vinodeliye i vinogradarstvo SSSR, 1949, No. 2, p. 22-27

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

ROZENFEL'D, P. S., Candidate Med Sci (diss) -- "The effect of ultrasonic preparation of the tooth tissue and the periodontium (Experimental investigation)". Moscow, 1959. 12 pp (Min Health RSFSR, Moscow Med Stomatological Inst), 200 copies (KL, No 24, 1959, 152)

ROZENFEL'D, P.S.

ROZENFEL'D, P.S., klinicheskiy ordinator

Reaction of teeth and the parodontium to ultrasonic preparation of cavities. Stomatologiya 36 no.5:64-66 S-O '57. (MIRA 11:1)

1. Iz kafedry ortopedicheskoy stomatologii (zav. - prof. V.Yu. Kurlyandskiy) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir. - dotsent G.N.Beletskiy)
(MOUTH) (ULTRASONIC WAVES--THERAPEUTIC USE)

ROZENTHID, P. YA.

ROZENTHID, P. YA.: "Investigation of the parameters of the casting rotary newspaper stereotypes with dynamic action on the metal." Min Higher Education USSR, Moscow Polygraphics Inst. Moscow, 1956
(Dissertation For the Degree of Candidate in Technical Sciences)

So: Knizhnyye Letopis', No. 18, 1956

BATAKOV, Aleksandr Tikhonovich; BORISOV, Vladimir Ivanovich;
ROZENFEL'D, Petr Yakovlevich; CHERNYSHEV, A.N., kand.tekhn.
nauk, retsenzent; LAVROV, G.A., inzh., retsenzent; KONO-
VALOV, G.M., red.izd-va; SOKOLOVA, T.F., tekhn.red.

[Printing machinery] Poligraficheskie mashiny. Pod obshchei
red. A.T.Batakova. Moskva, Gos.nauchno-tekhn.izd-vo mashino-
stroit.lit-ry, 1959. 515 p. (MIRA 12:8)
(Printing machinery and supplies)

ROZENFEL'D, P.Ye., kandidat meditsinskikh nauk (Moskva)

Typhus fever. Med.sestra 15 no.10:10-14 0 '56.
(TYPHUS FEVER)

(MLRA 9:12)

ROZENKO, P. Ya.

To the World Fair. Nauka i zhyttia 8 no.4:9-13 Ap '58.
(MIRA 13:5)

1. Zamestitel' predsedatelya Gosplana Soveta Ministrov USSR.
(Brussels--Exhibitions) (Ukraine--Industries)

"Concerning the Problem of Toxicosis in a Case of Epidemic Typhus." Thesis for degree of
Cand Medical Sci. Sub 16 May 50, Central Inst for the Advanced Training of Physicians.

Summary 71, 4 Sep 52. Dissertations Presented for Degrees in Science and Engineering in
Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950.

ROZENFEL'D, P.Ye. (Moskva)

Typhoid and paratyphoid fevers. Med.sestra no.6:10-15 Je '55.
(SALMONELLA INFECTIONS, (MLRA 8:7)
pathol. & ther.)

ROZENFEL'D, P. Ye., kandidat meditsinskikh nauk (Moscow)

Differential diagnosis of fever. Med. sestra no. 10:12-17 0 '55.
(DIAGNOSIS) (FEVER) (MLRA 8:12)

ROZENFEL'D, P. Ye.

"Typhus," by P. Ye. Rozenfel'd, Candidate of Medical Sciences,
Meditinskaya Sestra, Vol 15, No 10, Oct 56, pp 10-14

The author discusses the etiology, symptomatology, and diagnosis of typhus for the benefit of nurses. He outlines the treatment and prophylaxis of the disease. Some procedures which should be followed by nurses in caring for typhus patients are pointed out, i.e., maintenance of cleanliness, regulation of room temperature (18-20°C), assuring the restfulness of surroundings, and careful surveillance of disturbed patients. Gastric function and urination should be checked daily and proper measures taken in cases of insufficiency. The importance of aseptic conditions is stressed. It is recommended that copious amounts of fluid, requested or not, be given to patients periodically to alleviate thirst and dryness in the mouth, and to reduce the level of toxic products in the blood. Nutrition should be treated in a similar manner.

Various symptomatic agents are mentioned in connection with drug therapy. Preparations with a cardiovascular effect, such as camphor, caffeine, cordiamine, strychnine, and ephedrine, are frequently administered, especially in cases of low arterial pressure and insufficient pulse. Various soporifics are given, and for headache, aspirin, phenacetin, pyramidon, etc. In strongly pronounced general intoxication, the subcutaneous introduction (by infusion or drop methods) of physiological saline solution, 5% solution of glucose, or both together is indicated. Vitamin therapy is also included in the complex of therapeutic measures.

Antibiotics recommended for use on the first day of typhus are synthomycin, levomycetin, and biomycin which, it is claimed, arrest the disease process in certain cases. They lower the temperature and reduce toxicosis.

The importance of early hospitalization is emphasized, whether the clinical picture of typhus is clearly apparent or the disease is only suspected. Since incubation of the typhus pathogen in the organism requires 5-6 days, lice coming into contact with the patient cannot transmit the disease if the patient is isolated until the fifth day. Other objects, such as linen, clothing, bedclothes, and belongings of persons coming in contact with them, are processed in a disinfection chamber. On detection of pediculosis, sanitary treatment, including delousing of clothing, linen, and the patient himself, is effected, using, among other things, DDT soap. It is mentioned that these measures are most effectively carried out in special sanitary inspection compartments.

During epidemics, sanitary measures should be conducted among organized contingents of the population, without regard for the presence or absence of disease among them. A system of house calls by nurses is set up in typhus foci to detect other cases of the disease. The foci are checked daily for 25 days and are checked from time to time thereafter until the 71st day.

Specific immunization for typhus began to be employed during World War II. An inoculation procedure was developed in the USSR by Krontovskiy and Mayevskiy. The vaccination material described consists of a suspension of rickettsiae from the lungs of white mice infected intranasally with typhus virus. The vaccine is injected three times subcutaneously in 0.5, 1.0, and 1.0 doses at intervals of 7 days. The acquired immunity lasts for one year. Limited groups of the population (certain military units, the railroad transport service, and medical workers) were inoculated with this vaccine. Effectiveness was indicated by a decrease in the incidence of typhus; in the event of infection, the course of the disease was light in inoculated persons -- the febrile period lasted 5-7 days, only slight signs of general reaction were evidenced and in all cases convalescence proceeded without complications.

Sum 1219

USSR/Medicine - Antibiotics
Medicine - Tuberculosis

Jul/Aug 48

"Study of Antibiotic Action of Actinomycetes
Against Mycobacterium Tuberculosis," R. M.
Rozenfel'd, Cand Med Sci, Immunobiol Lab,
Ukrainian Sci Res Tuberculosis Inst, 4 $\frac{1}{2}$ pp

"Problemy Tuberkuleza" No 4

Describes experiments using Mycobacterium avium
in vitro. Work continues.

21/49T66

ROSENFELD R. M. AND RICHENKO S.G.

4388. Rosenfeld R.M. and Richenko S.G. Estimation of streptomycin concentration in the blood of patients with tuberculosis treated with streptomycin Probl. Tuberk 1950 2 (55-58) Tables 2

By a modified Stabbins-Robinson test it was found that different concentrations occurred when streptomycin was introduced in various quantities (200,000 U. every 5 hr., 330,000 U. every 8 hr. and 500,000 U every 12 hr.) in addition to large individual variations. It was found that in 1 ml. of serum 5 hr. after 200,000 U. intramuscularly, the concentration varied from traces to 10 U. (average 2.8 U). When 330,000 U. were introduced, average concentration fell from 13.4 after 2 hrs., to 9.2 after 4, to 4.2 after 6, and to 2.5 U. after 8 hr. When 500,000 U. were given at once, the concentration after 12 hr. varied from 11 U. to nil (average 2.4 U.). On comparison of the titres 12 hr. after 500,000 U. and 8 hr. after 330,000 U. in 10 patients, it was concluded that the latter method is probably to be preferred. Levels varied from 8-.05 U. (av. 3-5) in the latter and from 11 U. to Nil. (av. 2.4) in the former procedure.

Van der Molen - Terwolde (XV, 2)

So. Excerpta Medica Volume 4 Number 8 Section II

11-5

CA

The technique of treatment of tuberculosis meningitis in children by means of streptomycin. R. M. Rozenfel'd and I. F. Berezantseva. *Problemy Tuberk.* 1951, No. 3, 32-5. -- Detn. of streptomycin concn. in the spinal fluid (lumbar and suboccipital puncture) showed that regardless of method of administration the concns. are substantially the same. After endolumbar administration the bacteriostatic properties remain in the spinal fluid even after 3 days. Intramuscular injection of the antibiotic for pulmonary tuberculosis showed that in some cases penetration into spinal fluid from the blood may take place even in the absence of meningitis. G. M. Kosolapoff

CAND Med. Sci.

UKR. Sci-Res Inst. Tuberculosis, Advanced
TRAINING of Physicians - Immunobiological Lab.

ROZENFEL'D, R.M., kandidat meditsinskikh nauk.

Experimental study of intermittent streptomycin therapy in tuberculosis.
Probl.tub. no.5:16-23 S-0 '53. (MLRA 6:12)

1. Iz immunobiologicheskoy laboratorii (zaveduyushchiy - professor R.O. Drabkina) Ukrainskogo nauchno-issledovatel'skogo instituta tuberkuleza (direktor A.S.Mamolat, nauchnyy rukovoditel' - professor M.A.Klebanov).
(Tuberculosis) (Streptomycin)

ROZENFEL'D, R.M., strashiy nauchnyy sotrudnik

Secondary microflora in the lungs of patients with tuberculosis.
Probl.tub. no.1:112-115 '62. (MIRA 15:8)

1. Iz mikrobiologicheskoy laboratorii (zav. - prof. R.O. Drabkina)
Ukrainskogo instituta tuberkuleza (dir. - dotsent A.S. Mamolat).
(TUBERCULOSIS)

ROZENFEL'D, R. M. (Kiyev, Vozdukhoflotskoye shosse, d. 66, kv. 22);
VINOKUROVA, P. Kh.

Significance of bacterial flora in the development of postoperative empyema in tuberculous empyema of the pleura, Grud. khir. 4
no. 1:81-84 Ja-F '62. (MIRA 15:2)

1. Iz mikrobiologicheskoy laboratorii (zav. - prof. R. O. Drabkina)
i khirurgicheskoy kliniki (zav. - prof. N. M. Amosov) Ukrainskogo
instituta tuberkuleza (dir. - dotsent A. S. Mamolat)

(TUBERCULOSIS) (EMPYEMA) (BACTERIA, PATHOGENIC)

ROZENFEL'D, R.M.

Etiology of post-operative empyema following lung resection in tuberculosis. Grud. khir. 2 no.3:75-78 My-Je '60. (MIRA 15:3)

1. Iz mikrobiologicheskoy laboratorii (zav. - prof. R.O. Drabkina) i khirurgicheskoy kliniki (zav. - prof. N.M. Amosov) Ukrainskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - dotsent A.S. Mamolat). Adres avtora: Kiyev, St. Razina, d.7, Institut tuberkuleza.

(EMPYEMA)

(LUNGS—SURGERY)

USSR/Pharmacology and Toxicology - Chemotherapeutic Preparations
Antituberculous Drugs.

V-9

Abs Jour : Ref Zhur - Biol., No 14, 1953, 66419

Author : Rozenfel'd, R.M.

Inst :

Title : An Experimental Study of the Combined Use of Phthivazid
with other Antibacterial Agents.

Orig Pub : Probl. tuberkuleza, 1957, No 1, 73-81.

Abstract : The efficacy of the combined use of Phthivazid (I) and streptomycin (II); as well as (I) and PAS was studied in in vitro experiments on the Proskauer and Beck medium, and in experiments on mice, using tubercle bacilli of human type strain No 32. In experiments in vitro, a synergistic effect was observed when those dosages of (I) and (II) which were closest to the thresholds of bacteriostatic activity were combined. In the experiments on mice,

Card 1/2

ROZENFEL'D, R.M.

Experimental studies on interrupted method of therapy of tuberculosis with streptomycin. Probl. tuberk., Moskva No.5:16-23 Sept-Oct 1953. (GIML 25:5)

1. Candidate Medical Sciences. 2. Of the Immunobiology Laboratory (Head -- Prof. R.O. Drabkina), Ukrainian Scientific-Research Institute of Tuberculosis (Director -- A. S. Manolat; Scientific Supervisor -- Prof. M.A. Klebanov).

ROZENFEL'D, R.M., kandidat meditsinskikh nauk

Experimental study of the use of phthivazid combined with other antibacterial preparations [with summary in French]. Probl.tub. 35 no.1:73-81 '57. (MIRA 10:6)

1. Iz mikrobiologicheskoy laboratorii (zav. - prof. R.O.Drabkina) Ukrainskogo instituta tuberkuleza (dir. - A.S.Mamolat, zam. dir. po nauchnoy chasti - prof. M.A.Klebanov).

(ISONIAZID, use

on exper. tuberc., with PAS & streptomycin in mice (Rus))

(PARA-AMINOSALICYLIC ACID, eff.

on exper. tuberc., with isoniazid & streptomycin in mice (Rus))

(STREPTOMYCIN, eff.

on exper. tuberc., with isoniazid & PAS in mice (Rus))

(TUBERCULOSIS, exper.

eff. of isoniazid with PAS & streptomycin in mice (Rus))

ROZENFEL'D, R.M., starshiy nauchnyy sotrudnik

Development of double drug resistance in Myobacterium tuberculosis. Pat., klin. i terap. tub. no. 8:83-87 '58. (MIRA 13:7)

1. Iz mikrobiologicheskoy laboratorii (rukovoditel' - prof. R.O. Drabkina) Ukrainskogo nauchno-issledovatel'skogo instituta tuberkuleza im. akad. F.G. Yanovskogo.
(MYOBACTERIUM TUBERCULOSIS)

LAVROV, M., akademik; ROZENFEL'D, S.

Main of "blue gold." Nauka i zhyttia 12 no.5:25-26 My '62.
(MIRA 15:7)

1. AN Uzbekskoy SSR (for Lavrov).
(Gas, Natural--Pipelines)

ROZENFEL'D, S.

Trolley conveyor for producing reinforced concrete panels by the method of vibration. Stroitel' no.10:7-9 O '58. (MIRA 11:11)

1. Glavnyy konstruktor stroitel'no-konstruktorskogo byuro Mosstroy.
(Vibrators) (Concrete slabs)

LAVROV, N.V.; ROZENFEL'D, S.V.

Republic conference on the development of the gas industry and
coordination of the research work on combustible gases. Trudy
IGI 16:483-487 '61. (MIRA 16:7)
(Uzbekistan--Gas industry)

ROZENFEL'D, Sh.

Evaluating the specialization level of regions. Vop.ekon. no.5:120-
125 My '61. (MIRA 14:5)

(Economic geography)

ROZENFEL'D, Shmul Leybovich

Problemy razmeshcheniya promyshlennosti stroitel'-
nykh materialov SSSR. Moskva, Izd-vo Akademii Nauk
SSSR, 1962.

330 p. tables.

At head of title: Akademiya Nauk SSSR. Institut
Ekonomiki.

Bibliography: p. 323-328

ROZENFEL'D, Shmul' Leybovich; LISOV, V.Ye., red.; MISHNAYEVSKAYA,
G.V., mladshiy red.; PONOMAREVA, A.A., tekhn. red.

[Determining the levels of regional industrial development]
Opredelenie urovnei razvitiia promyshlennosti v raionakh.
Moskva, Ekonomizdat, 1963. 139 p. (MIRA 16:3)
(Russia--Industries)

ROZENFEL'D, Shmul Leybovich. Prinimal uchastiye ZHDANOVICH, V.E..
KUZNETSOV, P.V., red.; GERASIMOVA, Ye.S., tekhn.red.

[Expansion and distribution of the building materials industry
of the U.S.S.R.] Razvitie i razmeshchenie promyshlennosti
stroitel'nykh materialov SSSR. Moskva, Gosplanizdat, 1960.
180 p. (MIRA 13:5)
(Building materials industry)

ROZENFEL'D, S., inzh.

Remodeling car conveyers for rolling reinforced concrete products.
Na stroi. Mosk. 1 no.6:7 Je '58. (MIRA 11:9)
(Conveying machinery) (Reinforced concrete)

18
Producing a dynamic action on castings during solidifica-
tion / S. B. Rozenfel'd, S. B. Yudin, and M. M. Levin.
~~Science Progress~~ 1957, No. 11, 24-6. — Dendritic
solidification can be prevented and the properties of the
metal improved by repeatedly stopping and starting the
rotating mold contg. the metal. J. D. Gat 11

Distr: 4E2c

ROZENFEL'D, S. F.

Conference on the development of the gas industry and on the coordination of scientific research work in the fuel gas field. Gaz.prom.
5 no.11:52 N '60. (MIRA 13:11)
(Gas industry--Congresses) (Gas as fuel)

IVYANSKIY, G.B., kand.tekhn.nauk; ROZENFEL'D, S.M., inzh.; BELEVTSKY, V.M., inzh.; SATS, M.N., inzh.; FADEYEV, Ya.N., inzh.; VOLCHESK, V.A., tekhnik; UTENKOV, V.F., kand.tekhn.nauk; NAUMOV, A.A., tekhnik; GORDEYEV, P.A., red.; KORNEYEVA, V.N., tekhred.

[Album of drawings of equipment for assembling precast reinforced concrete construction elements] Al'bom chertezhei oborudovaniia dlia montazha sbornykh zhelezobetonnykh konstruksii. Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam, 1958. 170 p. (MIRA 12:8)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. 2. Nauchnyye sotrudniki laboratorii betonnykh i zhelezobetonnykh rabot Nauchno-issledovatel'skogo instituta organizatsii, mekhanizatsii i tekhn.pomoshchi stroitel'stvu (for all except Gordeyev, Korneyeva).

(Reinforced concrete construction--Tables, calculations, etc.)

18(5,7) /

SOV/128-59-6-23/25

AUTHOR: Konstantinov, L.S., Paykov, A.I., Kanevskaya, T.P.,
Candidates of Technical Sciences; Lebedev, F.P.,
Assistant Professor, Levin, M.M., Novikov, P.G., Rosen-
feld, S.Ye. and Khakhalin, P.D., Candidates of Techni-
cal Sciences

TITLE: Letter to the Editor

PERIODICAL: Liteynye Proizvodstvo, 1959, Nr 6, pp 44-46

ABSTRACT: The authors begin their letter to the author by list-
ing the difficulties, when explaining the basic terms
of mechanics and generally of every science. Since the
time of Newton there existed difficulties in explain-
ing and formulating correctly the term "power". With
the development of the sciences during the recent
years these difficulties have become even greater. The
Academician, R.N. Yur'yev is quoted from his book "Attempted
new Formulation of the Basic Laws on Mechanics
by Newton", Printing Office Academy of Sciences (USSR)
1952. But these new theories have had no influence on

Card 1/2

the practical work of the engineer. In the field of
centrifugal casting B.I. Loshkarev has written an
article (published in Liteynye Proizvodstvo, Nr 6,
1957), in which he made the following statement: 1) Me-
tal is not influenced by centrifugal force and, there-
fore, the existing theories on centrifugal casting,
based on centrifugal forces, do not correspond to the
physical properties of the process. 2) The theory of
centrifugal casting is not confirmed by his experi-
ments; 3) The factors of centrifugal casting are to
be explained by other factors, like: tendency forces,
speed of chilling, temperature of the metal, process
of crystallization. The authors refute the statements
of Loshkarev and call his comprehensions "unintelli-
gible" and "unfounded". There are 1 diagram and 9
Soviet references.

Card 2/2

BUYANTUYEV, B.R., red.; KROTOV, V.A., red.; ~~ROZENFELD, Sh.L.~~ red.;
KONYUKHOV, V.D., red. izd-va.; BAKOVETSKAYA, V.S., red. izd-va.

[Problems in the development of industry and transportation in
the Buryat A.S.S.R.] Problemy razvitiia promyshlennosti i transporta
Buriatskoi ASSR. Moskva, 1958. 305 p. (MIRA 11:11)

1. Akademiya nauk SSSR. Institut ekonomiki.
(Buryat-Mongolia--Industries)
(Buryat-Mongolia--Transportation)

AUTHOR: Oznobin , N.M. and Rozenfel'd, Sh.L.

10-58-2-15/30

TITLE: The Complex Economic Development of an Economic Administrative District (Exemplified by the Buryat-Mongolian Economic District)
[Voprosy kompleksnogo razvitiya khozyaystva ekonomicheskogo administrativnogo rayona (na primere Buryat-Mongol'skogo ekonomicheskogo rayona)]

PERIODICAL: Izvestiya Akademii nauk SSSR - Seriya geograficheskaya, 1958, Nr 2, pp 110-119 (USSR)

ABSTRACT: The author describes the conditions necessary for economic expansion in an administrative district, e.g. the accordance of the interests of the country's national economy and those of the given district, the extent of mineral resources, etc. With regard to the Buryat-Mongolian Economic District, the author states that the mineral resources of this area have not yet been opened up, but that according to its nature this district should specialize in a wood-processing industry, products obtained from cattle-raising, light and rare metals, building material and machine building. This district also has good power resources; the area around Gusinozersk offers extremely favorable conditions for big power plants. Such far-reaching industrial projects grow very slowly. Capital

Card 1/2

10-58-2-15/30

The Complex Economic Development of an Economic Administrative District

investment will be intensified in this district in 1959-1965. Several Five-Year Plans will be necessary to achieve the desired aims. An improvement of transportation facilities is of great importance. There is one Soviet reference.

1. Economics--Development--USSR 2. Minerals--Applications 3. Agriculture--Applications

Card 2/2

ROZENFEL'D, Sh.L.; FEYGIN, Ya.G., otv. red.; BAKOVETSKAYA, V.S.,
red.; ASTAF'YEVA, G.A., tekhn. red.; RYLINA, Yu.V., tekhn.
red.

[Problems of the distribution of the building materials industry
in the U.S.S.R.] Problemy razmeshcheniia promyshlennosti stroi-
tel'nykh materialov SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1962.
330 p. (MIRA 15:8)

1. Chlen-korrespondent Akademii nauk USSR (for Feygin).
(Building materials industry)

KORNEYEV, A.M., doktor ekon. nauk; VILENSKIY, M.A., doktor ekon. nauk; SHOKIN, N.A., kand. ekon. nauk; LIVESITS, R.S., doktor ekon. nauk; KOZLOV, Yu.K., kand. ekon. nauk; VARANKIN, V.V., kand. ekon. nauk; ROZENFEL'D, Sh.L., doktor ekon. nauk; OPATSKIY, L.V., doktor ekon. nauk; BAKOVETSKAYA, V.S., red.; GULYAYEVA, A.N., red.

[Industry in the administrative complex of the economic regions of the U.S.S.R.] Promyshlennost' v khoziaistvennom komplekse ekonomicheskikh raionov SSSR. Moskva, Nauka, 1964. 566 p. (MIRA 18:1)

1. Akademiya nauk SSSR. Institut ekonomiki.

Rozenfel'd S.M.

100-57-12-1/11

AUTHORS: Meynert, V.A., Rozenfel'd, S.M., Engineers.
 TITLE: Continuous Production Method of Partitions. (Prokatnyy-sposob izgotovleniya peregorodok).
 PERIODICAL: Mekhanizatsiya Stroitel'stva, Nr.12,1957. pp.3-7 (USSR).

ABSTRACT: Between 1950 and 1954 a new process for the production of building units was developed in accordance with the methods of Engineers N. Ya. Kozlov and V. M. Bol'shakov. Fig.1 illustrates the improved type of plant for casting partitions developed in 1955/56 by the S.K.B. Mosstroy in collaboration with N. Ya. Kozlov. The TSPB Glavmosstroy have prepared plans for a new factory with a capacity of 500,000 m² of gypsum partitions per year. Fig.2 illustrates the storage section of the factory. Fig.3 illustrates a small bungalow, from gypsum panels, assembled in a few hours. The panels are formed from "gypsum-concrete mass" on conveyor belts, deposited in forms, vibrated and compressed up to 25 kg/cm² and dried for 48 hours. The compression values of these partitions are between 35 and 40 kg/cm². Specific weight is 1,350 to 1,400 kg/m³, which allows transportation by road. After drying, the slab still contains 12% water. A slab, 10 cm thick with an area

Card 1/2

Continuous Production Method of Partitions.

100-57-12-1/11

of 18 m² weighs 2,500 kg. Raw materials for 1 m³ of these partitions are 0.4 m³ sand, 0.45 m³ sawdust, 450 kg gypsum and 310 - 320 l water. Fig.4 illustrates sand and gypsum bunkers with conveyor belts with a dosing device. Fig.5 shows a sawdust bunker with a conveyor belt and dosing device. The conveyor belts are driven by electric motor A073-4/6/8/12. The vibrating machines are type I-7. There are 5 Figures.

AVAILABLE: Library of Congress.

1. Gypsum partitions-Production

Card 2/2

ROZENFEL'D, S.M., inzhener.

Construction yard for manufacturing reinforced concrete blocks
for foundations and basement walls. Gor.khoz.Mosk. 21 no.9:20-23
'57. (MLRA 10:9)

(Moscow--Concrete blocks)

ROZENFEL'D S.M.
MEYNERT, V.A., inzh.; ROZENFEL'D, S.M., inzh.

Using method of rolling for making partitions. Mekh. stroi. 14
no.12:3-7 D '57. (MIRA 11:1)
(Concrete slabs) (Building machinery)

PERL'SHTEYN, Z.Kh., inzhener; ROZENFEL'D, S.M., inzhener.

Experience in the construction of panel-built framed apartment
houses. Mekh.trud.rab. 9 no.2:17-20 F '55. (MIRA 8:4)
(Concrete construction)

ROZENFEL'D, S. E.

Tsentrobezhnoe lit'e i truboliteinoe proizvodstvo; pod red. V. A. Chernushevicha. Moskva, Mashgiz, 1946. 45, 3 p. illus.

Bibliography: p. 47.

Centrifugal casting and pipe founding.

DLC: TS236.R68

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

ROZENFELD, S. YE.

PHASE I BOOK EXPLOITATION

SOV/6223

Yudin, S. B., (S. Ye. Rozenfel'd), and M. M. Levin.

Tsentrobezhnoye lit'ye (Centrifugal Casting). Moscow, Mashgiz, 1962.
360 p. (Series: Inzhenernyye monografii po liteynomu proizvod-
stvu) 4500 copies printed.

Reviewer: L. S. Konstantinov, Candidate of Technical Sciences; Ed.:
Yu. L. Markiz, Engineer; Tech. Eds.: A. Ya. Tikhanov and V. D.
El'kind; Managing Ed. for Literature on Hot Working of Metals:
S. Ya. Golovin, Candidate of Technical Sciences.

PURPOSE: This book is intended for engineers, technicians, and
scientific research workers. It may also be useful to students
specializing in foundry work.

COVERAGE: The book reviews the present state of the theory and
practice of centrifugal casting. It explains modern concepts of
physical fundamentals of centrifugal casting, presents designs
of centrifugal machines, describes the most important centrifugal-

Card 1/0 2

Centrifugal Casting

SOV/6223

casting methods, outlines criteria for selection of type and parameters of the process, and evaluates the effectiveness of the process from a technical and economic standpoint. Properties of castings, their defects, and methods of preventing them are also discussed. The history of centrifugal casting, the present state of the art, and prospects for further development are also briefly reviewed. No personalities are mentioned. There are 99 references: 89 Soviet, 8 English, and 2 German.

TABLE OF CONTENTS [Abridged]:

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Ch. I. General Information on Centrifugal Casting	7
Nature and fundamentals of the method	7
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Card 2/8 2

ROZENFEL'D, S.Ye.; YUDIN, S.B.; LEVIN, M.M.

Methods of dynamic pressure during crystallization of castings.
Lit. proizv. no.11:24-26 N '57. (MIRA 10:12)
(Solidification) (Centrifugal casting)

Author: Rosenfeld, S.F.

Title: Centrifugal Casting and Pipe Casting;
15 pp.; bibliography

Date: 1946. Moscow

Subject: 1. Flowing. 2. Pipes.

Availability: Library of Congress, Call No: TS236.N68

Source: Lib. of Cong. Subj. Cat., 1950 V2

3

KOBELEV, N.I.; KUSHEL'MAN, V.S.; ROZENFEL'D, S.Ye.

Present state of the manufacture of electric motor rotors and
stators. Lit. proizv. no.6:39-43 Je '64.

(MIRA 18:5)

BOGACHEV, I.N.; DUBININ, N.P.; YEGORENKOV, I.P.; ZHUKOV, A.A.; IVANOV, B.G.;
IVANOV, D.P.; MARIYENBAKH, L.M., doktor tekhn. nauk, prof.; MINAYEV,
I.M.; ROZENFEL'D, S.Ye.; SIDEL'NIKOV, S.V.; SOSNENKO, M.N.; YUKALOV,
I.N.; YUDIN, S.B.; RUBTSOV, N.N., doktor tekhn. nauk, prof., red.;
CHERNYAK, O.V., inzh., red. izd-va; MODEL', B.I., tekhn. red.

[Founding handbook; iron founding] Spravochnik liteishchika; chugunnoe
lit'e. Pod obshchei red. N.N. Rubtsova. Moskva, Mashgiz, 1961. 774 p.
(MIRA 14:12)

(Iron founding)

ROZENFELD, S. E.

1 CIA

Author: Rozenfeld, S. E.

Title: Centrifugal Casting and Pipe Casting;
15 pp., bibliography

Date: 1946. 1 piece

Subject: 1. Founding. 2. Pipe.

Publication: Library of Congress, Call No: TS235.156

Source: Lib. of Cong. Subj. Cat., 1950 V2

3

ROZNFEL'D, S.Ye.; EL'BERT, S.A.

Increasing the dimensional accuracy of large iron castings.

Lit. proizv. no.10:1-4 0 '58. . (MIRA 11:10)

(Iron founding)

AUTHORS: Rozenfel'd, S.Ye., El'bert, S.A. SOV-128-58-10-1/19

TITLE: An Increase in the Dimensional Accuracy of Large Pig Iron Castings (Povysheniye razmernoy tochnosti krupnogo chugunnogo lit'ya)

PERIODICAL: Liteynoye proizvodstvo, 1958, Nr 10, pp 1 - 4 (USSR)

ABSTRACT: The dimensional accuracy of large pig iron castings was studied by NIILITMASH (NIILITMASH); in 1956/57 in the Kolomenskiy zavod tyazhëlogo stankostroyeniya (Kolomna Heavy Machine Tool Building Plant) and Moskovskiy zavod "Stankolit" (Moscow "Stankolit" Plant). V.K. Serganov, T.I. Pyatina, T.V. Stroye, N.S. Kovaleva, Ya.S. Dun, T.G. Stukalova, Ye.M. Preobrazhenskaya and V.G. Morozova participated. The technological and material aspects of the production of small amounts of large and medium-sized pig iron machine castings of 1 to 6 tons weight were systematically studied. Deviations from the desired dimensions were measured by a special instrument designed for dimensions of up to 4,500 mm. Special attention was paid to the accuracy of the dimensions of the sets of wooden patterns dimension changes connected with the linear settling of the castings, accuracy of the dimensions of cores and

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molds, the influence of the surface of the mold joint on the accuracy of the castings' dimensions and the accuracy of the dimensions of the castings proper. The report concludes that a new process will not lead to the desired final accuracy unless there are step-by-step exact measurements including every essential detail and intermediate result. There are 7 graphs and 5 Soviet references.

1. Iron castings--Production
2. Castings--Measurement
3. Measurement--Control systems

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YUDIN, S.B.; ROZENFEL'D, S.Ye.; LEVIN, M.M.; KONSTANTINOV, L.S.,
kand. tekhn. nauk, retsenzent; MARKIZ, Yu.L., inzh.,
red.; TIKHANOV, A.Ya., tekhn. red.; EL'KIND, V.D., tekhn. red.

[Centrifugal casting] TSentrobeznoe lit'e. Moskva, Mashgiz, 1962.
360 p. (MIRA 15:7)
(Centrifugal casting)

ROZENFEL'D, S. YE.

USSR/Metals - Iron, Alloys, Properties

Oct 51

"Investigation of Ferrous Alloys With High Content of Carbon and Chromium," N. M. Zarubin, Ye. A. Ivanov, Engineers, S. Ye. Rozenfel'd, Cand Tech Sci, TsNITMASH

"Litey Proizvod" No 10, pp 26-28

Alloys with 2-4% and 9-10% Cr were investigated to find alloys with high-hardness, high abrasive wear-resistance and wear-resistance at high temps. Interprets results. Increase in carbon content decreases uniformity in distribution of chromium carbides in metal base, and considerable enlarges them. Inoculation of alloys with magnesium greatly reduces carbide phase to finer state.

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